Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/04/2022 10:08 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123788	-1	1.79	123752	1.76
Blue	F	SSC	125000	123591	-2	3.27	124156	3.08
Blue	E	FITC	13602	13280	-3	2.49	372	13.12
Blue	D	PE	24891	24699	-1	1.89	586	10.13
Blue	B	PerCP-Cy5-5	33972	33160	-3	3.19	948	14.31
Blue	A	PE-Cy7	22865	22918	0	5.00	476	29.83
Red	C	APC	47198	46984	-1	2.58	1621	11.29
Red	A	APC-Cy7	26454	25445	-4	2.98	719	12.23
Violet	B	V450	6737	6438	-5	3.56	450	11.23
Violet	A	V500	29317	28198	-4	3.10	967	8.19

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23802	2.97	551	16	N/A	N/A	Pass
Blue	F	SSC	55592	2.41	516	-5	N/A	N/A	Pass
Blue	E	FITC	55	53.22	484	0	0.0467	102	Pass
Blue	D	PE	114	38.92	487	1	0.5131	423	Pass
Blue	B	PerCP-Cy5-5	148	41.34	579	0	0.0223	127	Pass
Blue	A	PE-Cy7	78	78.17	623	2	0.0234	1	Pass
Red	C	APC	338	25.42	572	0	0.0292	180	Pass
Red	A	APC-Cy7	134	34.73	548	-3	0.0065	1351	Pass
Violet	B	V450	77	45.79	442	-8	0.0588	2260	Pass
Violet	A	V500	113	31.13	462	-7	0.0268	975	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-32.01	-31.73	1.14
Blue	20.35	16.28 - 24.42	1.28	1.03 - 1.55	0.00	0.00	1.43
Red	16.09	13.90 - 20.86	N/A	N/A	30.11	30.30	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.79

Threshold

Threshold (FSC): 12060

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments